Fig. 1

Echo

Fig. 2

Fundamental Echo
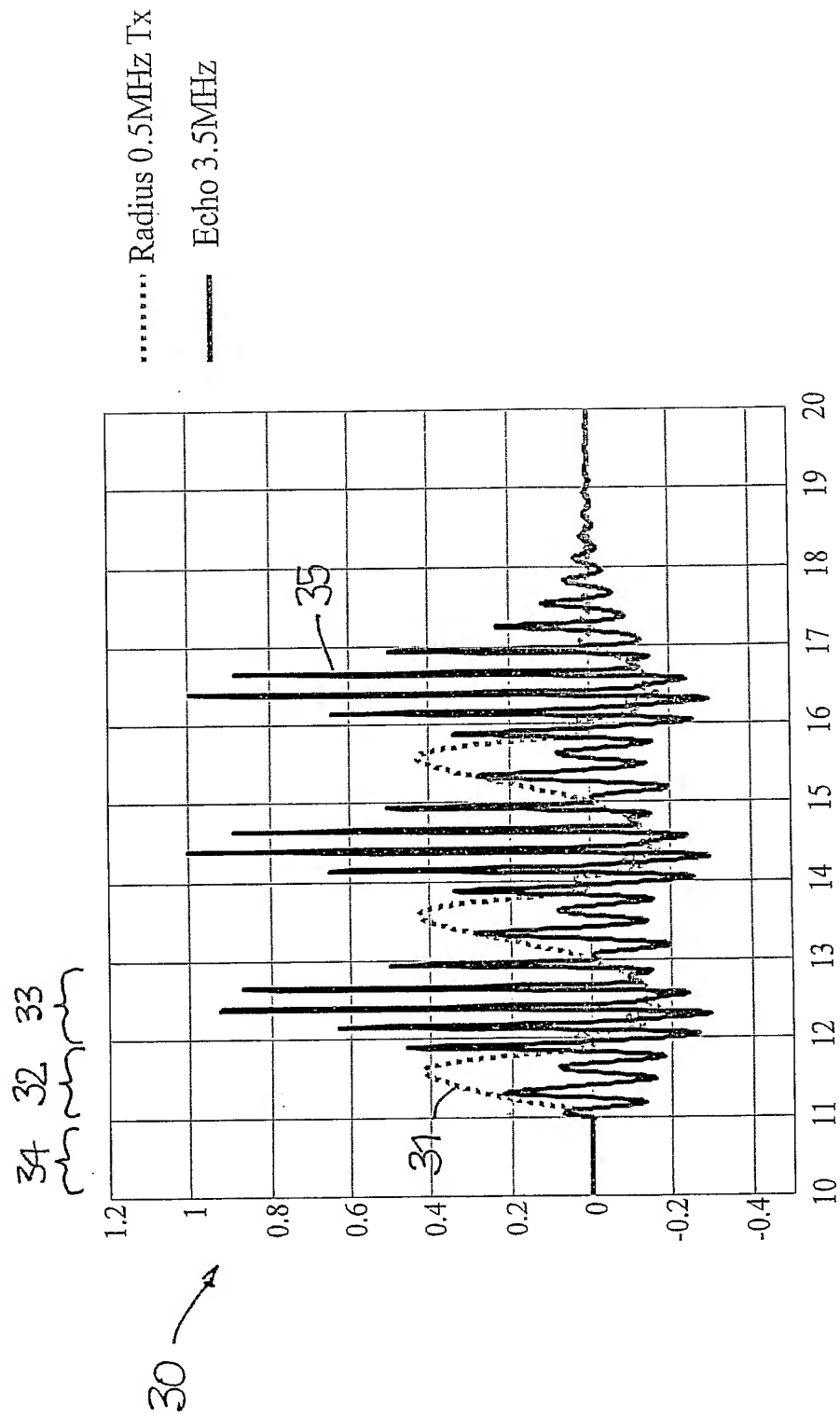

Fig. 3

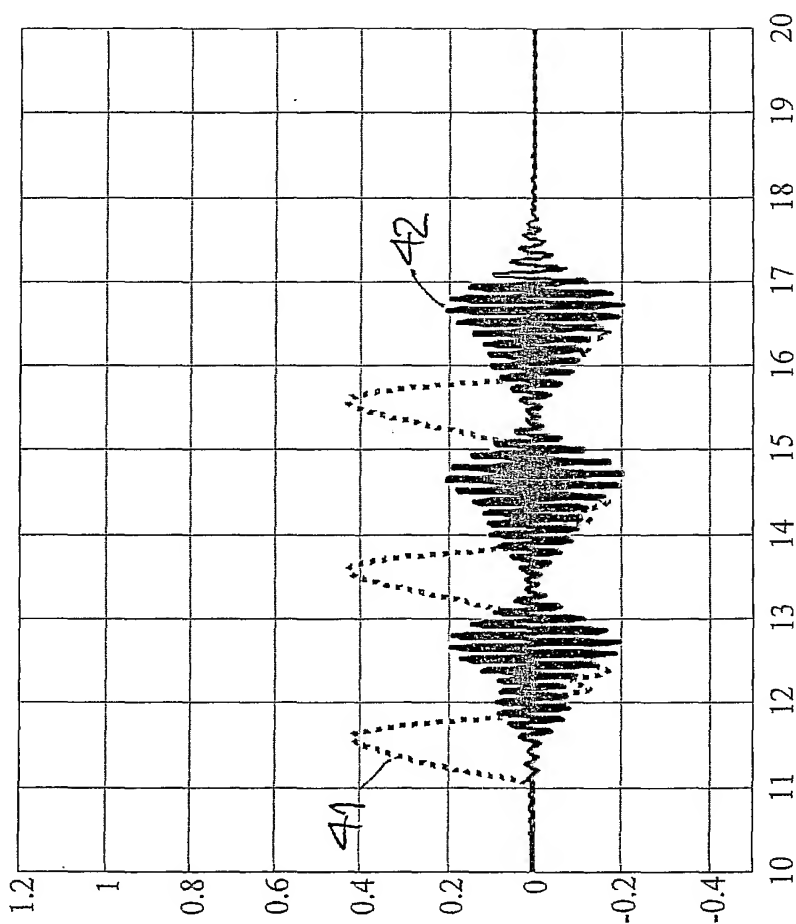Fig. 4

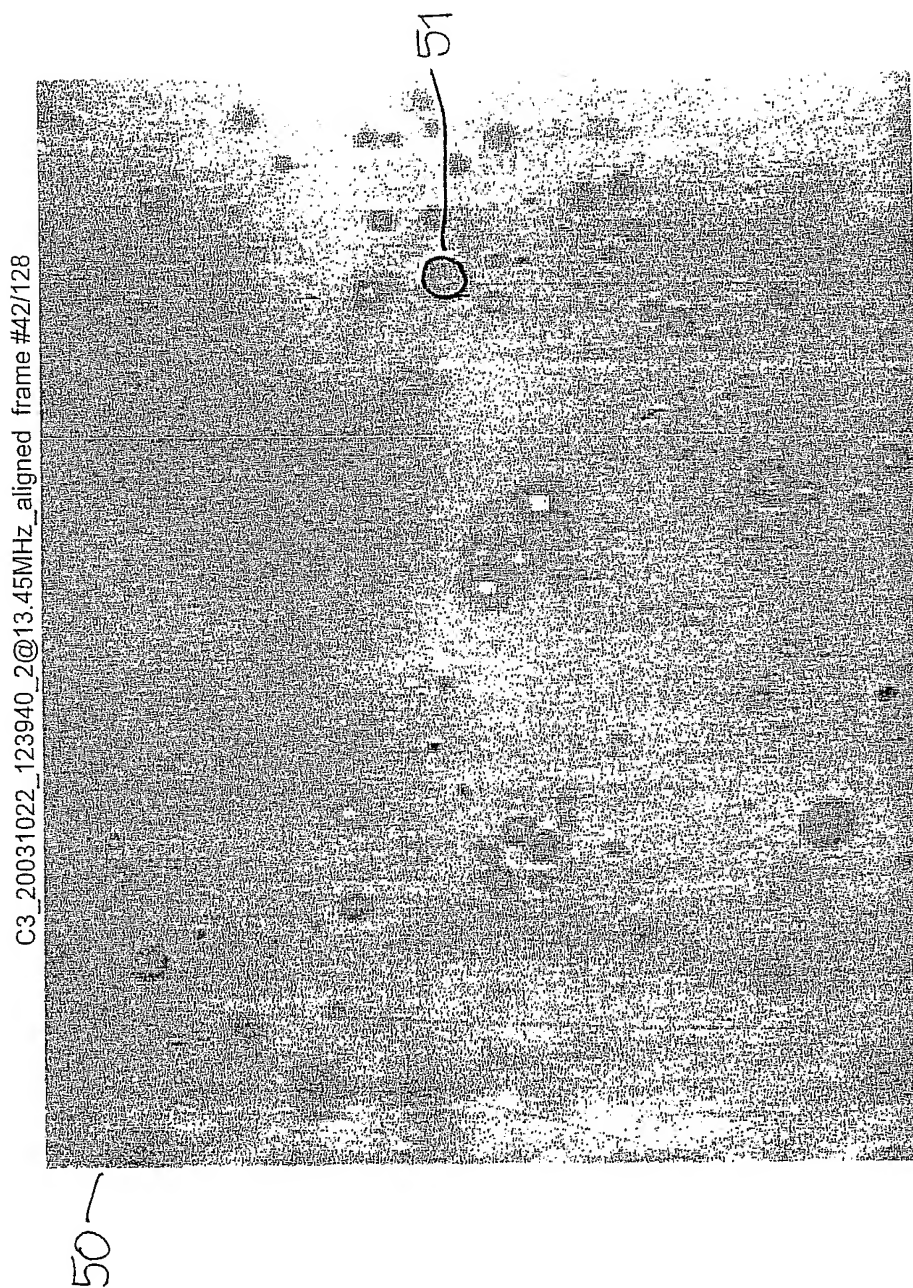C3_20031022_123940_2@13.45MHz_aligned_frame #42/128

Fig. 5

Fig. 6

Fig. 7

Source1: LF — 81

Source2: HF — 82

CONTROL UNIT — 88

Σ — 83

SIGNAL PROCESSOR — 87

IMAGE DISPLAY — 89

Probe — 80

86

E

84

85

Imaging target with gas bubbles

Fig. 8

Option 1

Transmit Blended signal 1   Transmit Blended signal 2

100   101

Double frequency Imaging

Fig. 10

Transmit Signal 1   Transmit Signal 2

90   91

PRIOR ART
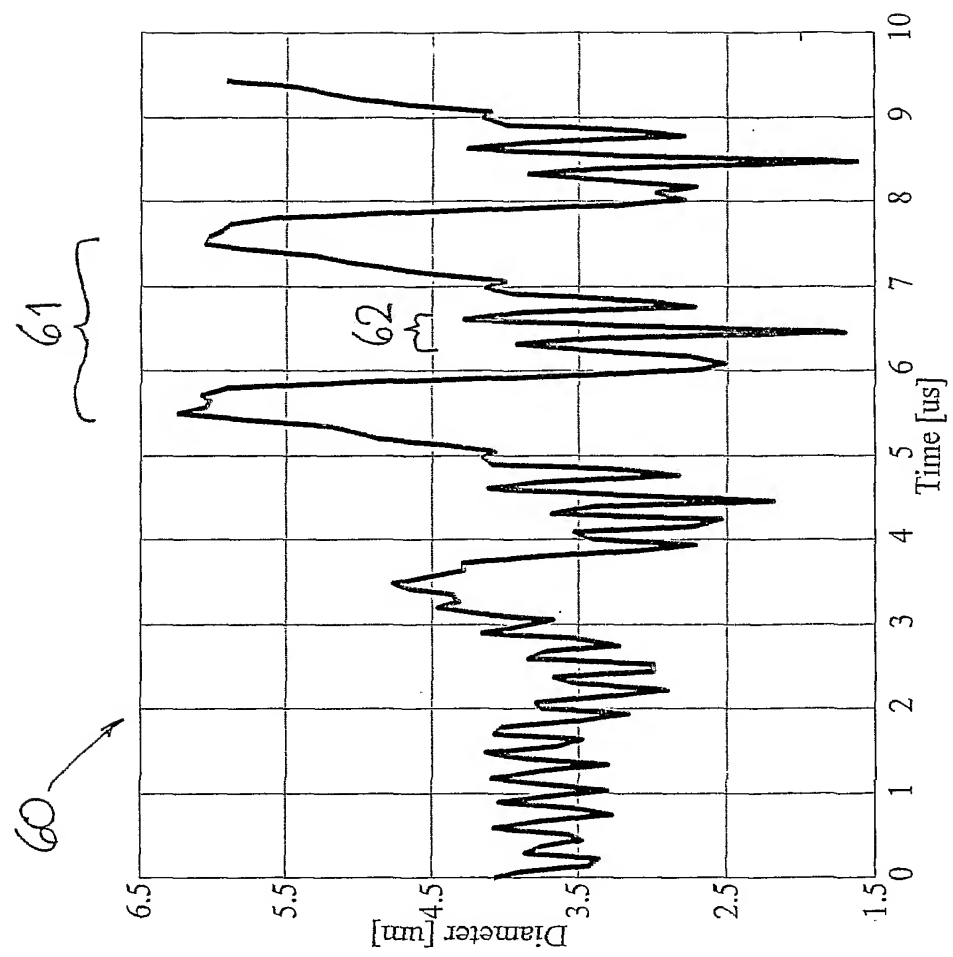
Pulse Inversion Imaging
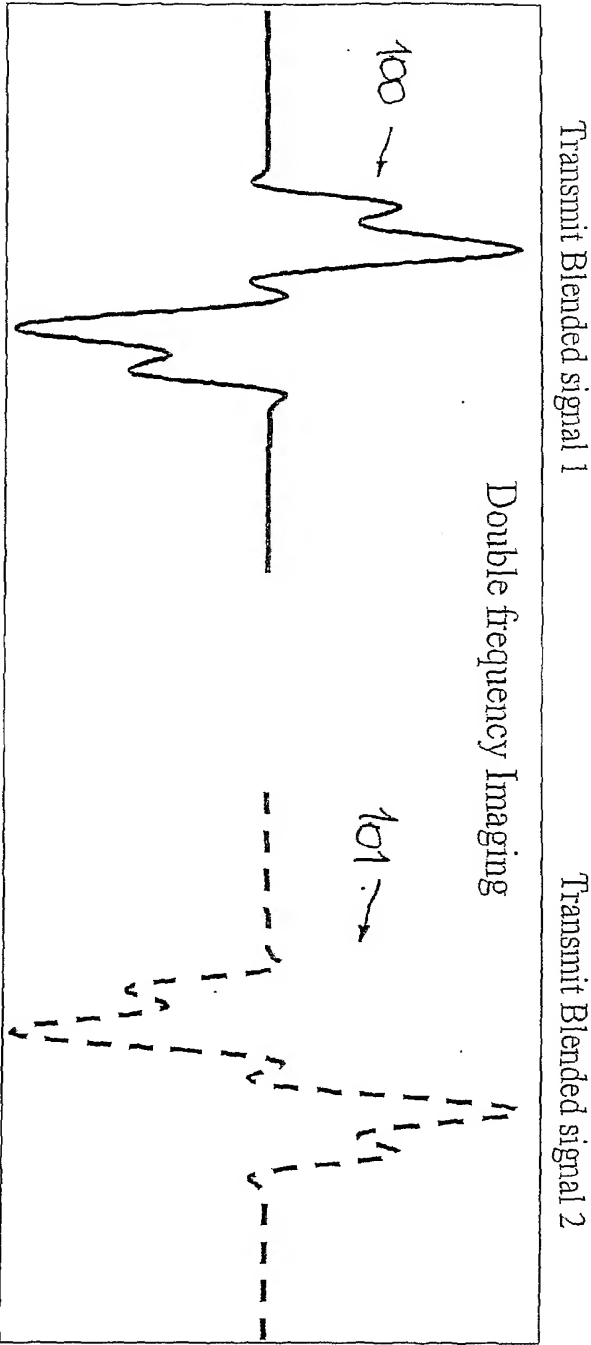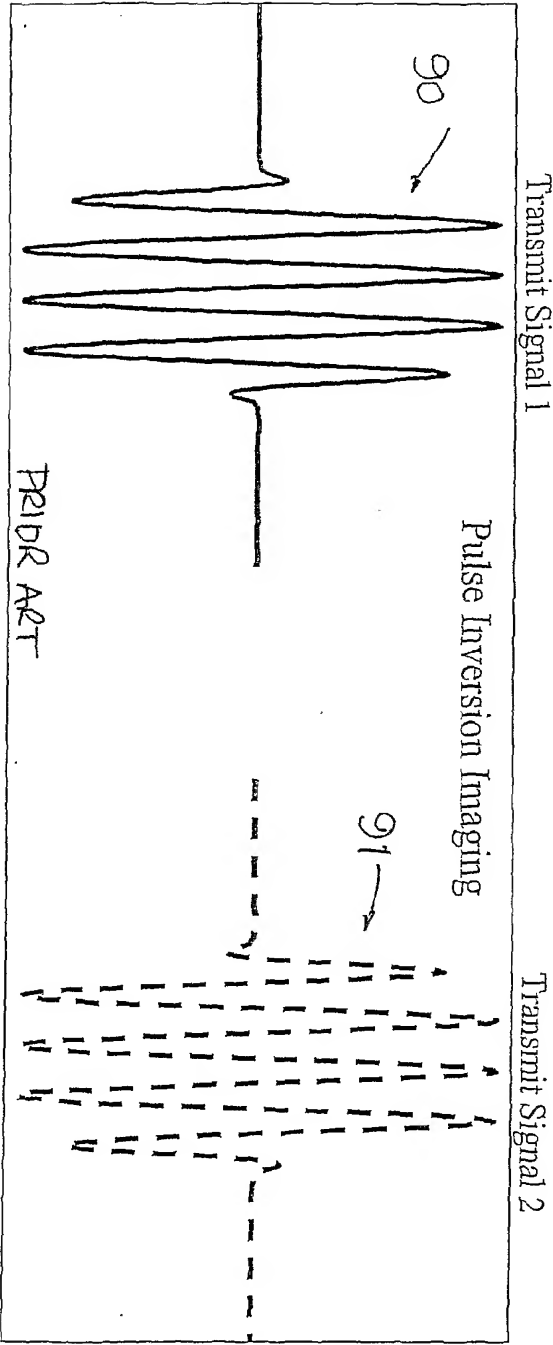
FIG. 9

Option 1

Echo from blended signal 1

120

Fig. 12

Echo from blended signal 2

121
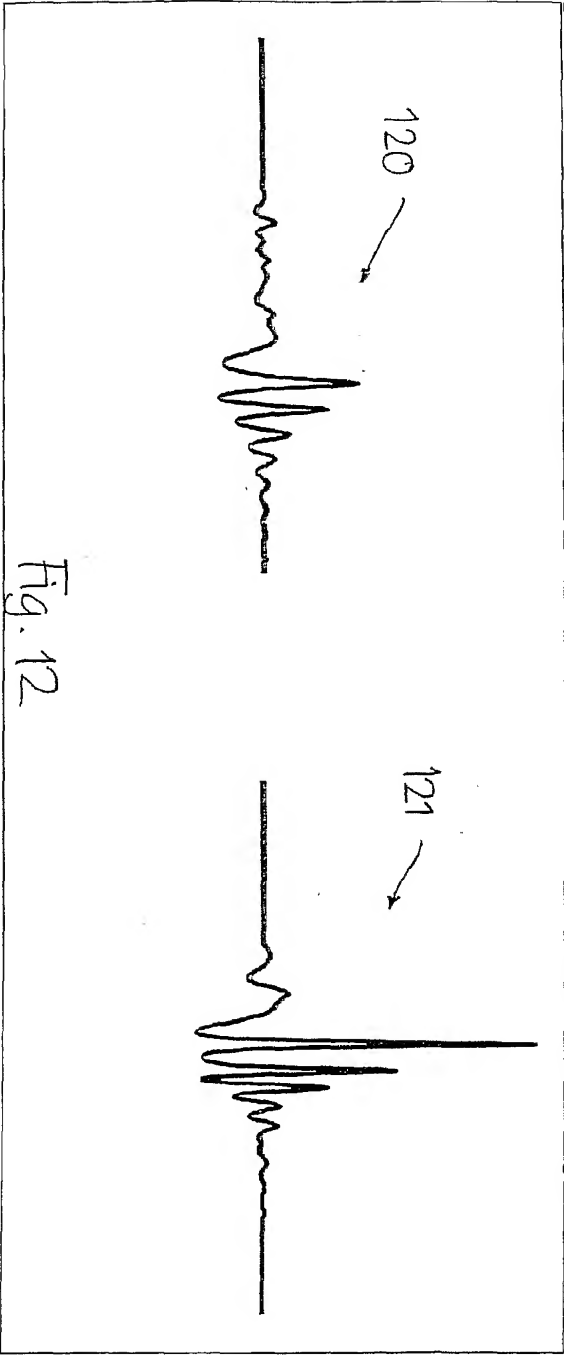
Echo from PII signal 1

110

PRIOR ART

FIG. 11

Echo from PII signal 2
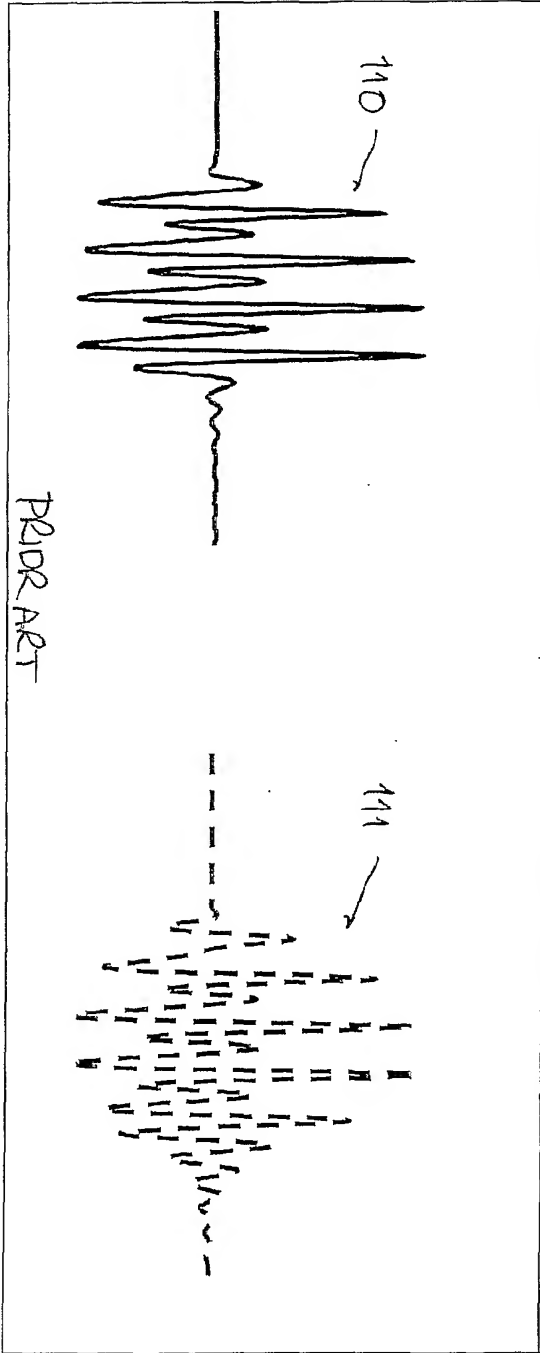
111

Option1

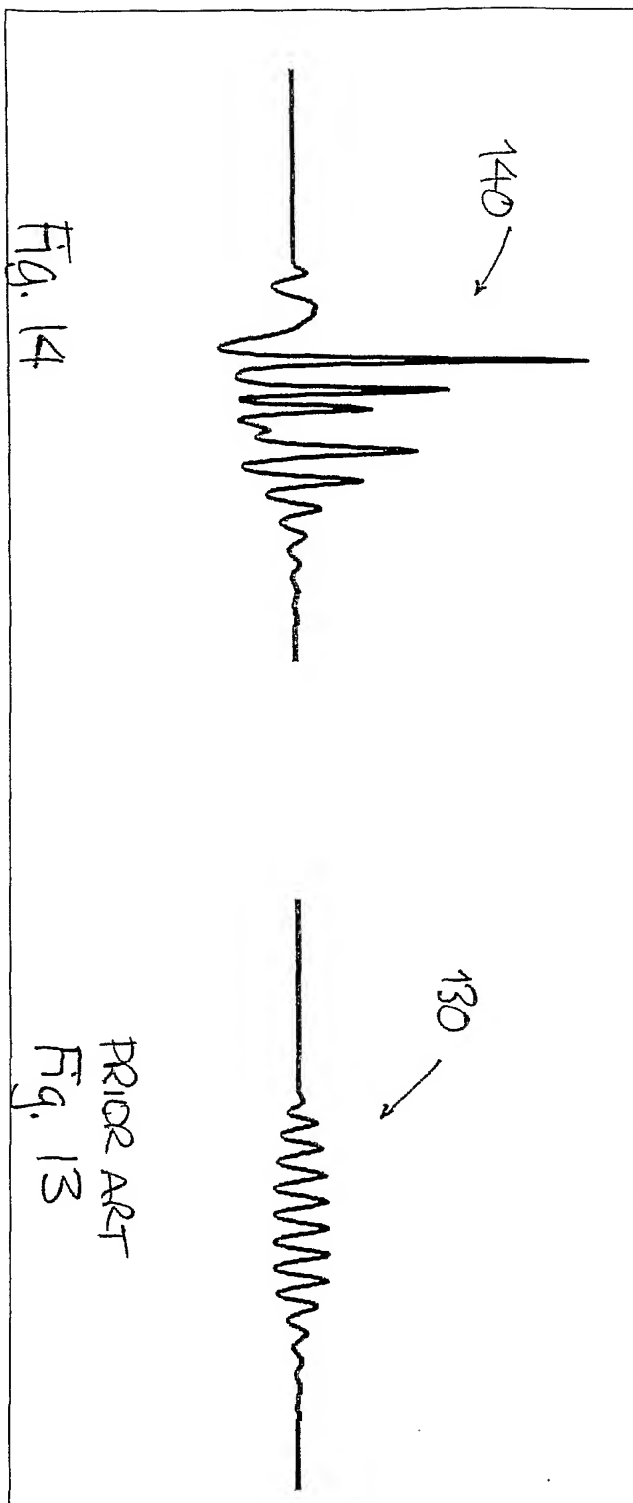Sum echoes Double frequency Imaging

Sum echoes Pulse Inversion

140

Fig. 14

130
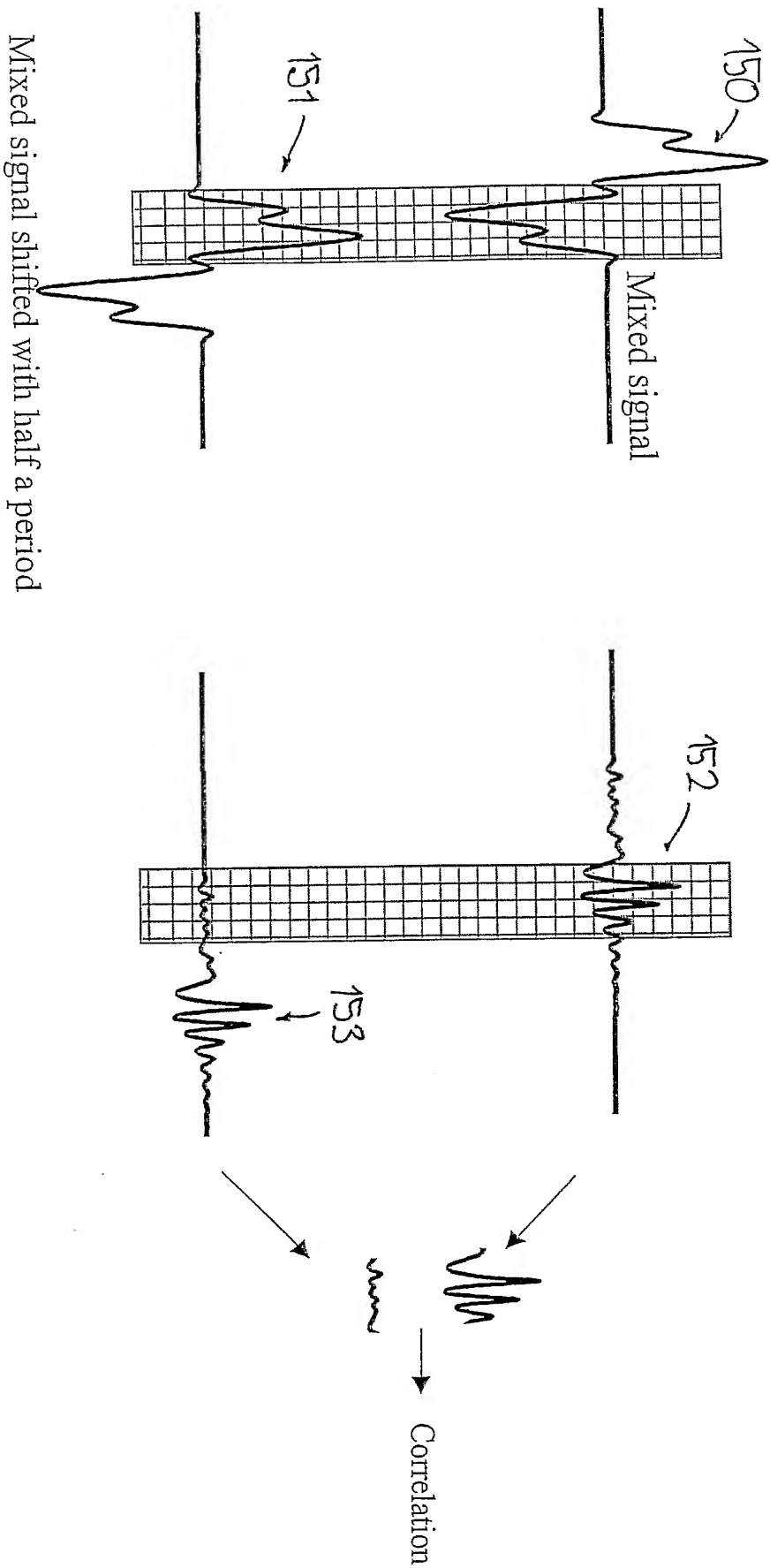
PRIOR ART
Fig. 13

Option2 TRANSMIT RECEIVE EXTRACTION

FIG. 15

Mixed signal shifted with half a period

Mixed signal

Correlation